



Norbert Holtkamp
Accelerator Systems Division
Division Director

PHONE: (865) 241-6945
FAX: (865) 241-6739
Cell Phone: (865) 919 1070
E-MAIL: holtkamp@sns.gov

Overall progress has been very good on DTL 3 with twenty-seven repaired drift tubes being completed and shipped to ORNL. All Tank-3 post couplers were successfully welded. Final machining is underway. Overall Tank 3 is still on schedule to begin operation in April. Some parts for assembly come in later than expected. The first eight Tank-1 drift tube cap welds were satisfactorily performed. Twenty more are scheduled for next week.

Current schedule shows that 31 of 33 of the repaired drift tubes will be shipped by the end of this week. The last units (the BPM dummy rebuilds) will be two weeks late. Our critical path item is the top hats where we need to re-plate surfaces. We authorized overtime at plating shop so that we can meet schedule, and are in constant communication with ORNL to insure that none of our deliveries impede installation. While technical progress on Tank 1 components is satisfactory, the Tank 1 delivery schedules for components have to be finalized. The overall impact varies between 2 –4 weeks delay compared to the IPS commissioning date. So far we will still try to hold the May 22nd "commissioning begin" date. Next week the revised schedule and a revised list of milestones that better present the status and the path forward will be presented.

In Oak Ridge the cooling manifolds and vacuum system are being installed on the DTL-1 tank assembly in RATS. An initial leak test is planned for this week. Drift tube installation testing will also begin this week. Fiducialization of DTL-3 DT's is in progress. The first six DT's have been fiducialized and the equipment and procedures are working well.

Milestone description	Due Date	Number total	Number or % complete	Delta last week
DTL 3 DT's repair	Feb 28 th '03	31	29	18
DTL 3 DT's rebuilt	Feb 28 th '03	0	0	0
DTL 3 DT's new built	Feb 28 th '03	2	0	-1
DTL 3 other parts	Feb 28 th '03	100 %	96%	1%
All DTL 3 parts shipped	Feb 28 th '03	100 %	25% / IPS marker DTLINK51	0
DTL 3 installation	April 16 st '03	100 %	? /IPS marker DTL045	0
DTL 1 DT's repair	April 1 st '03	7	7	0
DTL 1 DT's rebuilt	April 1 st '03	48	0	0
DTL 1 DT's new built	April 1 st '03	4	0	
DTL 1 other parts	April 1 st '03	100 %	84%	1%
All DTL 1 parts shipped	April 1 st '03	100 %	23%/ IPS marker DTL055	0
DTL 1 installation	May 21 th '03	100 %	? / IPS marker DTLINK31	?

Table 16 of the recovery plan. Tank 3 milestones

MS	Activity	Complete	Actual
1	Repaired drift tubes, repair welds complete	13-Jan-03	30-Jan-03
2	Post-couplers, tips welded to stems	27-Jan-03	3-Jan-03
3	Waveguide-iris transition, finish machining complete	27-Jan-03	21-Jan-03
4	Top hat finish machining complete	31-Jan-03	
5	EMD drift tube repair complete	5-Feb-03	23-Jan-03
6	Post-couplers, finish machining complete	18-Feb-03	
7	Drift tubes, field, vacuum, flow & pressure tests complete	21-Feb-03	
8	All DTL components delivered to ORNL	28-Feb-03	

Table 17 of the recovery plan. Tank 1 milestones

MS	Activity	Complete	Actual
1	Rebuilt drift tubes, 1st 10 diverters machined	7-Jan-03	19-Jan-03
2	Repaired drift tubes, finish machining complete	14-Jan-03	6-Jan-03
3	Post-coupler tips welded to stems	3-Feb-03	4-Feb-03
4	Waveguide-iris transition assembly braze complete	7-Feb-03	
5	Top hat finish machining complete	7-Feb-03	
6	Rebuilt drift tubes, all stems welded	11-Feb-03	
7	Repaired drift tubes, final unit delivered to ORNL	17-Feb-03	
8	Low-energy end-wall tuning-ring weld complete	5-Mar-03	
9	All DTL components delivered to ORNL	1-Apr-03	